

TOP SECRET RUFF

TCS-13949/69
23 December 1969

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MEMORANDUM FOR: [REDACTED] CIA-OSR-SF/D

SUBJECT : Analysis of Selected Soviet Air Warning Radar Facilities

REFERENCES : CIA C-SR9-85, 911
(NPIC Project 250519AB)

1. This memorandum, one of a series in response to the referenced requirement, presents details of four Soviet air warning radar facilities. Each of the facilities described below has been analyzed on all available high-resolution KEYHOLE photography. Annotated photography and a chronological table indicating the number and type of radars observed at individual facilities on specific missions are forwarded as attachments. The dimensions given in this memorandum are accurate to within [REDACTED] with a 95 percent confidence level.

2. The selected air warning radar facilities included in this memorandum are:

a. Salyany Air Warning Radar Facility
39-38-20N 049-01-40E, [REDACTED]

The best available KEYHOLE coverage of the Salyany Air Warning Facility, located 3 nautical miles (nm) northeast of Salyany, USSR, was in [REDACTED] (Attachments 1 and 1-A). At that time, the radar operations area contained two BACK NET radars, two SIDE NET radars, one BAR LOCK radar, one SPOON REST radar, and one ROCK CAKE/STONE CAKE radar. One FLAT FACE radar was located at the Ali-Bayramly Surface-to-Air (SAM) Missile Site BL7A-3 [REDACTED] 1 nm northeast of the Salyany AW facility. As of [REDACTED] the radar operations area contains two SIDE NET radars, two BAR LOCK radars, 22 vans or trucks, and 11 vehicle revetments. The FLAT FACE radar has been removed from the SAM site.

Two support areas (Attachment 1), containing 19 buildings are located, respectively, north and south of the radar facility. Two barracks, one in each support area, have a total floorspace of 1,006 square meters [REDACTED]

Declass Review by NIMA / DoD

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- b. Tikhoretsk Airfield Air Warning Radar Facility
45-52-51N 040-06-15E, BE None, NIETB None

As of [] the Tikhoretsk Airfield Air Warning Radar Facility (Attachments 2 and 2-A), adjacent to Tikhoretsk Airfield [], contains two BAR LOCK radars, two SIDE NET radars, two probable SPOON REST radars, 19 electronics vans or trucks, and two buildings. Support facilities for the AW facility are probably at the airfield.

- c. Tikhoretsk Air Defense Headquarters Radar Facility
45-51-30N 040-03-20E, []

As of [] the Tikhoretsk Air Defense Headquarters Radar Facility (Attachments 3 and 3-A), located 2.4 nm southwest of Tikhoretsk Airfield, consists of a radar operations area containing one field-trans-portable TALL KING radar, one probable SIDE NET radar, one BAR LOCK radar, one ROCK CAKE/STONE CAKE radar, one FLAT FACE radar, four FORK REST-type very high frequency (VHF) antennas, four drive-through revetments, and 12 vans or trucks. The two barracks have a total floorspace of []

- d. Ponoy Air Warning Radar Facility
67-05-30N 041-10-45E, []

As of [] the Ponoy Air Warning Radar Facility (Attachments 4 and 4-A), located 1 nm southeast of Ponoy Airfield [] contains a radar operations area and a support area. The radar operations area includes one SIDE NET radar, one BAR LOCK radar, two SPOON REST radars, and one SQUAT EYE radar.

Two FORK REST-type VHF antennas are located within the support area and two more antennas of this type are north of the support area. The two barracks have a total floorspace of []

3. This is a partial response to the requirement. Any further inquiries should be directed to [] NPIC/IEG/SD/EB, IDS Code 143, extension []

Chief, Imagery Exploitation Group
NPIC

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Attachments:

- 1 Salyany Air Warning Radar Facility
- 1-A Radars Observed at Salyany Air Warning Radar Facility
- 2 Tikhoretsk Airfield AW Radar Facility
- 2-A Radars Observed at Tikhoretsk Airfield AW Radar Facility
- 3 Tikhoretsk Air Defense Headquarters Radar Facility
- 3-A Radars Observed at Tikhoretsk Air Defense Headquarters Radar Facility
- 4 Ponoy Air Warning Radar Facility
- 4-A Radars Observed at Ponoy Air Warning Radar Facility

Distribution:

- 25X1A
- 1 - [] CIA-OSR-SF/D w/att
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 - 6 - NPIC/PSG/R&RD
 - 7 - NPIC/PSG/RRD/ESS
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 - 9 - CIA/IAS
 - 10 - DIAXX-3A
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24 September 1969

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MEMORANDUM FOR: Chief, China Division, OSR

ATTENTION:

THROUGH: Chief, Requirements Branch, Reconnaissance Group, IRS

SUBJECT: Missile-Related Activity Observed in China

REFERENCE: CIA Requirement C-SR9-85-590
NPIC Project 124322 EG, 124323EG

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1. This memorandum is in partial response to your requirement that requested sketches showing the precise locations and positions of missile-related equipment observed on each mission and pass of KH photography over Shuangchengtzu Missile Test Center, Chang-Hsin-Tien Missile Development Center, Peking Guided Missile Plant (Nan Yuan) and Wu-Wei Military School and barracks.

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4. Peking Guided Missile Plant (Nan Yuan)

Earlier memos have furnished the requested information on this facility through Mission . Sketches showing locations of missile-related equipment and long rail cars at this facility from Mission through Mission are attached (Annex B).

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GROUP I

Excluded from automatic

downgrading and

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SUBJECT: Missile-Related Activity Observed in China

6. For further information concerning this project contact

[REDACTED]

[REDACTED]

Chief, Imagery Exploitation Group,
NPIC

Attachment:

Annex A Sketches of the location of
missile-related equipment at Shuangchengtzu
Missile Test Center.

Annex B Sketches of the location of
missile-related equipment at Peking Guided
Missile Plant (Nan Yuan).

Distribution:

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5- CIA/ONE [REDACTED] /att)

6- DIAAP-7G (w/att)

7&8- NPIC/IEG/MSD

9- NPIC/IEG/PCS/RCB

10- NPIC/PSG/AID (Attn: [REDACTED])

11- NPIC/PSG/RRD/ESS

12- CIA/DDI/IRS/Recce/R

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